

01-03-02

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NEW UNITED STATES UTILITY PATENT APPLICATION TRANSMITTAL

BEST AVAILABLE COPY

Atty. Docket No.: 25436/2152

CERTIFICATE OF MAILING UNDER 37 CFR 1.10

I hereby certify that the paper (and any paper or fee referred to as being enclosed) is being deposited with the United States Postal Service using Express Mail to Addressee Service, under 37 C.F.R. Section 1.10, **Express Mail Label N . EL326923495US** on this date, **December 21, 2001**, postage prepaid, in an envelope addressed to Box: Patent Application, Commissioner for Patents, Washington, D.C. 20231.

Kathleen M. Williams

Name of Person Mailing Paper

Signature of Person Mailing Paper

Box Patent Application  
Commissioner for Patents  
Washington, D.C. 20231

Enclosed herewith is a new patent application of:

First Named Inventor (or application identifier): Hogrefe

Title of Invention: High Fidelity DNA Polymerase Compositions and Uses Therefor

Type:



New



Continuation of:



Continuation-in-Part of:



Divisional of:

and includes the following papers:

1. ☒ Specification 74 pages (including specification, claims, abstract) 52 claims (9 independent)
2. ☒ Declaration/Power of Attorney is:  
☐ Enclosed: ☐ executed ☐ unexecuted  
☒ NOT included, but deferred under 37 C.F.R. § 1.53(f).
3. ☒ 3 Distinct sheets of ☐ Formal ☒ Informal Drawings
4. ☒ Application Data Sheet
5. ☐ Preliminary Amendment.
6. ☐ Information Disclosure Statement  
☐ Form 1449 ☐ A copy of each cited prior art reference
7. ☐ Assignment with Recordation Cover Sheet.
8. ☐ Priority is hereby claimed under 35 U.S.C. § 119 based upon the following application(s):

Country	Application Number	Date of Filing (day, month, year)

9. ☐ Priority is hereby claimed under 35 U.S.C. § 120 based upon the following application(s):

Application Number	Date of Filing (day, month, year)

10. ☐ Priority is hereby claimed under 35 U.S.C. § 121 based upon the following application(s):

Application Number	Date of Filing (day, month, year)

11. ☐ Priority document(s).

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12. ☐ Microfiche Computer Program (Appendix).
13. ☐ Nucleotide and/or Amino Acid Sequence Submission.  
☐ Computer Readable Copy.  
☐ Paper Copy (identical to computer copy).  
☐ Statement verifying identity of above copies.
14. ☐ Request for Non-Publication and Certification under 35 USC 122 (b)(2)(B)(i)
15. ☒ Statement of Small Entity Status, Pursuant to 37 C.F.R. §1.27.
16. Calculation of Fees:

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FEES FOR	TOTAL CLAIMS	EXCESS CLAIMS	FEE	AMOUNT DUE
Basic Filing Fee (37 C.F.R. § 1.16(a))				\$740.00
Total Claims in <b>Excess of 20</b> (37 C.F.R. § 1.16(c))	52	32	\$18.00	\$576.00
Independent Claims in <b>Excess of 3</b> (37 C.F.R. § 1.16(b))	9	6	\$84.00	\$504.00
Multiple Dependent Claims (37 C.F.R. § 1.16(d))	YES		\$280.00	\$280.00
Subtotal - Filing Fee Due				\$2,100.00
Reduction by 50%, if Small Entity (37 C.F.R. §§ 1.9, 1.27, 1.28)	MULTIPLY BY 0.50			\$1,050.00
<b>TOTAL FILING FEE DUE</b>				<b>\$1,050.00</b>
Assignment Recordation Fee (if applicable) (37 C.F.R. § 1.21(h))	0		\$40.00	
<b>GRAND TOTAL DUE</b>				<b>\$1,050.00</b>

17. PAYMENT is:  
☒ included in the amount of ~~\$1,050.00~~ by our enclosed check. The Commissioner is hereby authorized to charge any deficiencies in the fees to Deposit Account 16-0085, Ref. 25436/2152.  
☐ not included, but deferred under 37 C.F.R. § 1.53(f).

18. All correspondence for the attached application should be directed to:

**Kathleen M. Williams**  
**Customer Number 27495**  
111 Huntington Avenue  
Boston, MA 02199-7613

19. Other: \_\_\_\_\_

Respectfully submitted,

Date: December 21, 2001

By: \_\_\_\_\_

Name: Kathleen M. Williams  
Registration No.: 34,380

Atty. Docket No.: 25436/2152

PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Hogrefe, et al.  
Serial No.: Not Yet Assigned  
Filed: December 21, 2001  
Entitled: "High Fidelity DNA Polymerase  
Compositions and Uses Therefor"

Jc932 U.S. PTO  
10/035091  
12/21/01**CERTIFICATE OF MAILING UNDER 37 CFR 1.10**

I hereby certify that the paper (and any paper or fee referred to as being enclosed) is being deposited with the United States Postal Service using Express Mail to Addressee Service, under 37 C.F.R. Section 1.10, **Express Mail Label No. EL326923495US** on this date, **December 21, 2001**, postage prepaid, in an envelope addressed to Box: Patent Application, Commissioner for Patents, Washington, D.C. 20231.

Kathleen M. Williams

Name of Person Mailing Paper

Signature of Person Mailing Paper

Box: Patent Application  
Commissioner for Patents  
Washington, D.C. 20231

**TRANSMITTAL LETTER**

Enclosed for filing in the above-identified patent application, please find the following documents:

1. New Patent Application Transmittal;
2. Patent Application, (74 pages);
3. Three (3) sheets of informal drawings of Figs 1-3;
4. Application Data Sheet;
5. Non-Pub Request (Request for Certification Under 35 U.S.C. 122(b)(2)(B)(i));
6. Check in the amount of \$~~100~~00 for the requisite filing fee; and
7. Return Post Card.

Pursuant to 37 C.F.R. § 1.27, Applicant claims small entity status.

The Commissioner for Patents is hereby authorized to charge any additional fees or credit any overpayment in the total fees to Deposit Account No. 16-0085, Reference No. 25436/2152. A duplicate of this transmittal letter is enclosed for this purpose.

Respectfully submitted,

Date: December 21, 2001

Name: Kathleen M. Williams  
Registration No.: 34,380  
Customer No.: 27495  
Palmer & Dodge LLP  
111 Huntington Avenue  
Boston, MA 02199-7613  
Tel: 617-239-0100

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Express Mail Label Number: EL326923495US

Date of Deposit: December 21, 2001

Jc932 U.S. PTO  
10/035091  
12/21/01

<b>REQUEST AND CERTIFICATION UNDER 35 U.S.C. 122(b)(2)(B)(i)</b>	First Named Inventor		Holly Hogrefe
	Title:	"High Fidelity DNA Polymerase Compositions and Uses Therefor	
	Attorney Docket Number:		25436/2152

I hereby certify that the invention disclosed in the attached application **has not and will not be** the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. I hereby request that the attached application not be published under 35 U.S.C. 122(b)

December 21, 2001

Date



Signature

Kathleen M. Williams

Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).**